

ABSTRACT OF THE DISCLOSUREA

An external rotor brush motor includes a permanent magnet mounted on a fixed shaft to form an internal stator, a front wheel and a rear wheel mounted on the shaft at two sides, the front wheel having an
5 integrated belt pulley for the mounting of a transmission belt, a commutator provided at the rear wheel for synchronous rotation, a shell connected between the front wheel and the rear wheel for synchronous rotation; an iron core and a coil mounted inside the shell and forming an external rotor, a cover affixed to the shaft and covered over the
10 commutator; and two electric brushes fixedly mounted inside the cover and respectively pressed on the commutator.